

WHAT IS CLAIMED IS:

1. A rotor for an automotive alternator comprising:

a pair of field cores each having a cylindrical base portion and a plurality of claw-shaped magnetic poles projecting from the outer circumferential edges of said base portions, said field cores being secured to a rotating shaft facing each other, wherein such that the end surfaces of said base portions are in close contact with each other and said claw-shaped magnetic poles intermesh with each other;

a cylindrical bobbin having a cylindrical portion and a pair of first and second annular flange portions projecting perpendicularly from both ends of said cylindrical portion, said bobbin being fitted over said base portions of said pair of field cores; and

a field winding wound a predetermined number of turns into multiple layers on said cylindrical portion of said bobbin, wherein
of said rotor
said field winding has a flat shape in which a pair of opposite flat surfaces are parallel,
wherein
said field winding being wound onto said cylindrical portion of said bobbin, such that said pair of opposite flat surfaces face the inner circumferential side and the outer circumferential side, respectively, relative to
a
the radial direction.
2. The rotor for an automotive alternator according to Claim 1, wherein a vibration-suppressing ring is fitted on the inner circumference of said claw-shaped magnetic poles of said pair of field cores.

3. The rotor for an automotive alternator according to Claim 1, wherein permanent magnets are fitted between said claw-shaped magnetic poles of said pair of field cores.

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